

From: Kelley Chase/R3/USEPA/US
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To: EOC Environmental Unit@EPA; Janine Dinan; Terry Smith
CC: "loven.Dawn@epamail.epa.gov" <loven.Dawn@epamail.epa.gov>; Robert Helverson; Lora Werner; "Karl V Markiewicz" <markiewicz.karl@epa.gov>; Victoria Binetti; KarenD Johnson; Cynthia Caporale; Robin Costas
Subject: Dimock Residential Ground Water Sampling - DRAFT Residential Data Reports for the Re-analysis of Lithium

Attached for your review please find PDFs of the Draft Residential Data Reports for the 57 sampling locations that were re-analyzed for lithium. As you may recall, the initial quantitation level (QL) for the lithium analysis for this project was 200 ug/L. Three of the 57 locations sampled during weeks 1 through 4 exceeded 200 ug/L. These included: HW-6, HW- 24 and HW-29. The remaining 53 locations were reported to residents as not detected or "U" at 200 ug/L.

The long-term risk based screening level (AKA "trigger level") for lithium is equal to 31 ug/L. It was decided that the initial samples (weeks 1 - 4) would be re-analyzed at a lower QL of 25 ug/L. Note that as of the 5th week of sampling the lower QL of 25 ug/L was being used.

Based on the QL of 25 ug/L, a total of 20 locations exceeded 31 ug/L during the sampling conducted from weeks 1 - 5. There were 19 exceedances in weeks 1-4 and 1 during week 5 at HW-60. The results at the lower QL of 25 ug/L for week #5 have already been released.

Attached results (weeks 1 - 4) have been validated and are considered final. However, the reports are considered DRAFT until our review is completed. Please be sure to limit the distribution of these reports to an internal review as we have not yet shared the data with residents or with PADEP. Note that each report includes all lithium results for that particular location. I understand that EPA intends to provide the attached results to residents in mid-July.

Feel free to contact me with any questions and/or if you need additional info to complete your review.

Thank you - Kelley

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19 Locations with Lithium Results Greater than or Equal to 31 ug/L

38 Locations with Lithium Results Less than 31 ug/L

